

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 and CANCEL claims 2, 5 and 6 as set forth below.

1. (currently amended) A sequence program editing apparatus comprising:
program storage means storing a sequence program;
duplication detecting means for detecting duplication of the same signal name assigned for different coils in the sequence program stored in said program storage device;
display means for displaying duplicated signal names detected by said duplication detecting means and locations of the duplicated signal names in the sequence program; ~~and~~
selection means for allowing selection of signal names to be rewritten in the duplicated signal names displayed in said display means; and
signal-name rewriting means for automatically rewriting the selected signal names in the duplicated signal names displayed by the display means to eliminate the duplication of the same signal name assigned for the different coils.

2. (canceled)

3. (original) A sequence program editing apparatus according to claim 1, wherein said signal-name rewriting means includes means for rename contacts for the coils to which the same signal name is assigned, and renaming-range setting means for setting a range of renaming the contacts in the sequence program.

4. (original) A sequence program editing apparatus according to claim 3, wherein said renaming-range setting means allows to set the renaming range for a divided unit of a main program and subprograms of the sequence program.

5. (canceled)

6. (canceled)